

SAPTAVIMSHATIKA GUGGUL

Monograph No. – 0400184 ver 3.0

Issue No: 03

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Text Reference : Ayurvedic Formulary of India 1-5:11

Amendment No : 02

Amendment Date : 02/05/2022

Shelf Life: 5 years

Description

Light brown to dark brown colour round biconvex coated tablet having SDL mark on one side.



Loss on Drying at 105°

Not more than 6 % w/w

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.

Hardness

Not less than 1.5 kg/cm²

Thickness

5.0 ± 0.5 mm

Diameter

8.0 ± 0.5 mm

Average Weight

300 mg ± 5 %

Uniformity of weight on 20 tablets

Not more than 2 tablets deviate by more than 5 % of the average weight and none by more than 10 % of the average weight

Ash

Not more than 30 % w/w

Acid insoluble ash

Not more than 5 % w/w

Water soluble extractive

Not less than 10 % w/w

Alcohol soluble extractive

Not less than 20 % w/w

pH (1% Aq. Solution)

6.5 - 7.2

Thin Layer Chromatography Solvent system

Toluene : Acetone
(9 : 1)

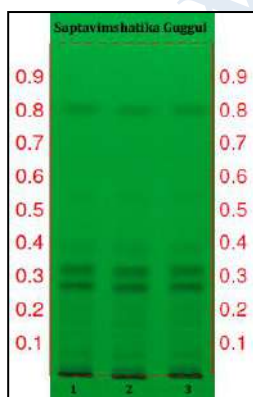
Details

Solvent of Extraction – Methanol

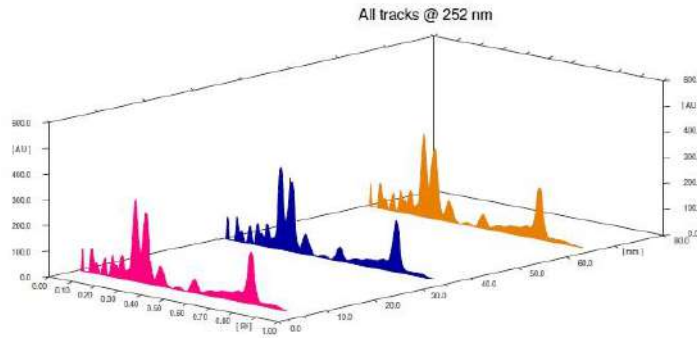
Solvent front – 90 mm

Total No. of Major spots – 7

Detection – Under UV at 254 nm



Major Spots	Color	Approx. Rf.
1	Light Gray	0.07
2	Light Gray	0.16
3	Light Gray	0.21
4	Dark Gray	0.27
5	Dark Gray	0.33
6	Light Gray	0.38
7	Gray	0.80

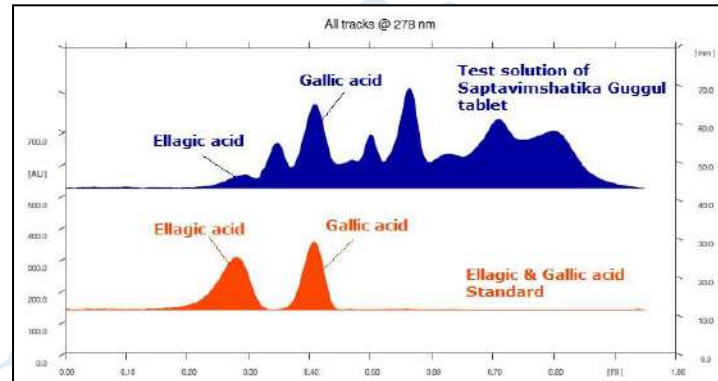
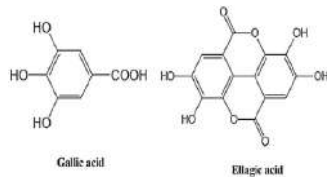


3D Peak Display of Saptavimshatika Guggul Tablet at 252 nm

HPTLC Profile[†]

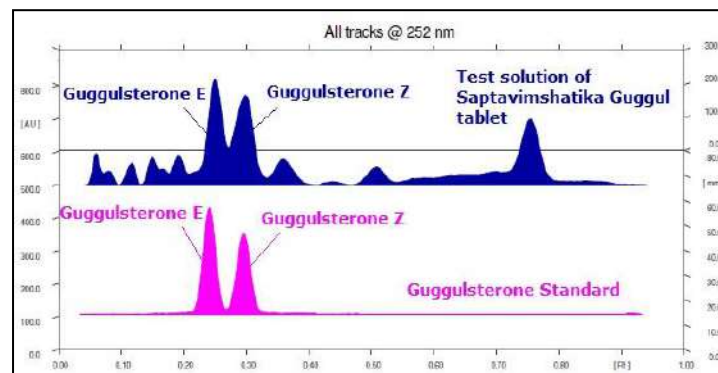
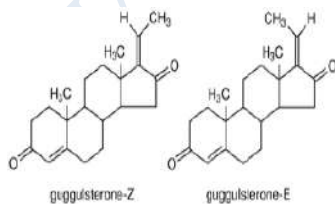
i) Total Polyphenols (as Ellagic & Gallic Acid)

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid standard.



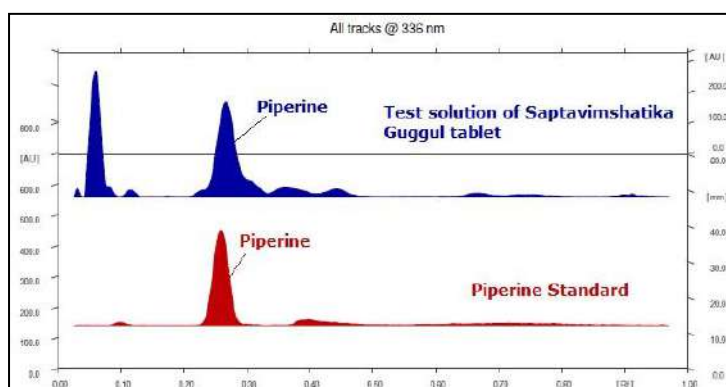
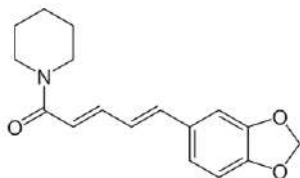
ii) Guggulsterone (E & Z)

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 252 nm corresponding with Guggulsterone (E & Z) standard.



iii) Piperine

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm corresponding with Piperine standard.



Heavy metal

Lead (Pb)	NMT 10 ppm
Mercury (Hg)	NMT 1 ppm
Arsenic (As)	NMT 3 ppm
Cadmium (Cd)	NMT 0.3 ppm
E. coli	Absent/g
P. aeruginosa	Absent/g
Salmonella sp.	Absent/g
Staphylococcus sp.	Absent/g
Total Microbial Plate Count (TPC)	NMT 10 ⁵ c.f.u./g
Total Yeast & Mould Count (TYMC)	NMT 10 ³ c.f.u./g
Pesticide Residue + (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2 +	Complies as per API